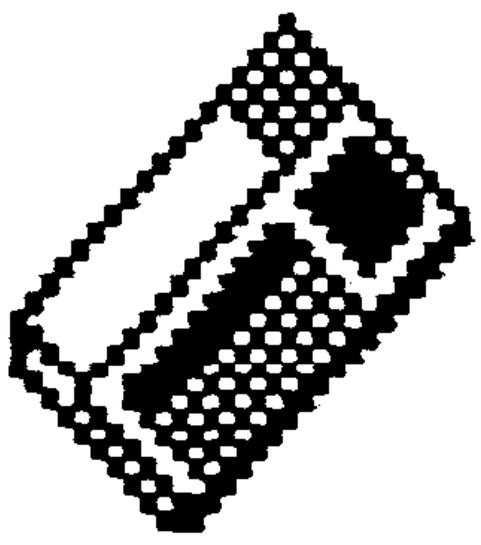

HUG

HOUSTON USERS GROUP

MAY 1984

MEETING SCHEDULE
FIRST SUNDAY OF EVERY MONTH

(2ND SUNDAY IF 1ST SUNDAY IS ON A HOLIDAY WEEKEND)

2:00 P.M.

NEXT MEETING: SUNDAY, MAY 6, 1984

PRESIDENT'S COMMENTS

OUR LAST MEETING WAS ONE DURING WHICH WE RECEIVED A WEALTH OF INFORMATION FROM SEVERAL DIFFERENT SOURCES. I WOULD LIKE TO THANK PAUL RICE, WITH WESTERN UNION AND THE REPRESENTATIVE FROM U. S. ROBOTICS, MICHAEL COBB, WITH MJM MARKETING, INC. AND STEPHEN ROUBIK WITH PERSONAL PERIPHERALS, AND OF COURSE OUR KEYNOTE SPEAKER, CARLISLE PHILLIPS, WITH VALIDATA CORPORATION. WE WERE FORTUNATE TO HAVE KNOWLEDGABLE PEOPLE SUCH AS THESE PRESENT TIMELY INFORMATION THAT MANY OF US WILL BE ABLE TO FOLLOW-UP ON AND USE.

OUR SPECIAL INTEREST GROUPS ARE GETTING OFF TO A GOOD START AND WE ARE PLANNING A PROGRAM IN THE NEAR FUTURE IN WHICH EACH GROUP WILL PARTICIPATE AND DEMONSTRATE TO THE TOTAL HUG SPECIFICALLY WHAT IS BEING DONE IN THE SIG'S AND WHAT IS BEING LEARNED BY THE PARTICIPANTS. LARRY PIPKIN, THE VICE-PRESIDENT FOR SIG'S HAS REALLY BEEN BUSY COORDINATING THE START-UP ACTIVITIES. HE WILL CONTINUE TO KEEP US INFORMED ON THE OVERALL PROGRESS.

AS THOSE OF YOU WHO ATTENDED THE LAST MEETING ALREADY KNOW, RALPH ARNOLD, OUR LIBRARIAN FOR THE LAST YEAR AND A HALF, IS LEAVING TO LIVE IN INDONESIA FOR THE NEXT YEAR OR SO. RALPH AND HIS SONS HAVE BEEN A TREMENDOUS HELP TO OUR GROUP AND WE ARE GOING TO MISS THEM MORE THAN WE CAN EXPRESS HERE. RALPH HAS TAKEN A REAL INTEREST IN MAKING OUR LIBRARY AN ORGANIZED, EFFICIENT AND COMPREHENSIVE ONE. HE AND HIS SONS HAVE PUT IN COUNTLESS HOURS WORKING TOWARD THIS END. THANKS, RALPH, FOR THE TIME, THE INTEREST AND THE RESULTS THAT YOU HAVE GIVEN TO OUR GROUP.

AT THIS POINT, WE COULD VERY EASILY HAVE BEEN WORRYING ABOUT, AND BUSILY LOOKING FOR, A NEW LIBRARIAN TO TAKE OVER WHERE RALPH HAS LEFT OFF. I AM HAPPY TO ANNOUNCE, HOWEVER, THAT BILL RISTER, A VERY TALENTED AND ENERGETIC INDIVIDUAL, HAS CONSENTED TO SERVE AS OUR NEW LIBRARIAN, AND WAS VOTED INTO OFFICE AT OUR LAST MEETING. I KNOW THAT BILL WILL CONTINUE TO IMPROVE OUR LIBRARY AND SERVE THE GROUP IN THE WAY TO WHICH WE HAVE BECOME ACCUSTOMED. PLEASED GIVE HIM YOUR COOPERATION AND HELP IN EVERY WAY THAT YOU CAN.

OUR NEXT MEETING WILL BE ON MAY 6. SEE YOU THERE.

WAYNE WRIGHT

THIS NEWSLETTER PUBLISHED MONTHLY BY THE HOUSTON USERS GROUP (TI HOME COMPUTERS). ANY OPINION OR ENDORSEMENT IS THAT OF THE AUTHOR, AND MAY NOT NECESSARILY REFLECT THE OFFICIAL OPINION OF 'HUG'. PERMISSION TO REPRINT GRANTED.

1984 HUG OFFICERS

President	- WAYNE WRIGHT	Treasurer	- DAVID MATHER
VP/Program	- JANE McASHAN	Librarian	- BILL RISTER
VP/S.I.G.	- LARRY PIPKIN	Editor	- BILL KNECHT
Secretary	- SHARRON FOX	Exec. Asst	- TOM JAY

PROGRAM

*** FLASHING TITLE SCREEN ***

From MSP 99 NEWSLETTER - ST PAUL MINN

```
100 REM FLASHING BORDER *TI BASIC *MSP 99 UG/REVISED B/KNECHT
110 CALL CLEAR
120 CALL SCREEN(8)
130 CALL COLOR(13,16,5)
140 REM ** COLOR FOR WORDS
150 FOR I=5 TO 12
160 CALL COLOR(I,5,8)
170 NEXT I
180 CALL CHAR(128,"FFFFC3C3C3C3FFFF")
190 REM ** THE FLASHING CHARACTERS
200 H1$="0000CCCC00CCCC00"
210 H2$="0000333300333300"
220 V1$="585B00058580000"
230 V2$="0000585800005858"
240 CALL CHAR(129,H1$)
250 CALL CHAR(131,V1$)
260 REM ** MAKE THE BORDER
270 CALL HCHAR(2,2,128)
280 CALL HCHAR(2,3,129,29)
290 CALL HCHAR(2,31,128)
300 CALL VCHAR(3,31,131,20)
310 CALL VCHAR(3,2,131,20)
320 CALL VCHAR(23,2,128)
330 CALL HCHAR(23,3,129,28)
340 CALL HCHAR(23,31,128)
350 REM ** WORDS FOR TITLE
360 M$="TITLE  SCREEN"
370 ROW=10
380 COLM=10
390 GOSUB 490
400 M$="DEMONSTRATION"
410 ROW=12
420 COLM=10
430 GOSUB 490
440 M$="by  bill knecht"
450 ROW=15
460 COLM=9
470 GOSUB 490
480 GOTO 530
490 FOR I=1 TO LEN(M$)
500 CALL HCHAR(ROW,COLM-1+I,ASC(SEG$(M$,I,1)))
510 NEXT I
520 RETURN
530 REM ** ALTERNATING FLASH CHARACTERS
540 REM ** GOSUB LOOP HOLD DISPLAY ON SCREEN
550 FOR I=1 TO 50
560 GOSUB 590
570 NEXT I
580 GOTO 640
590 CALL CHAR(129,H2$)
600 CALL CHAR(131,V2$)
610 CALL CHAR(129,H1$)
620 CALL CHAR(131,V1$)
630 RETURN
640 CALL CLEAR
650 REM ** SETS LETTER COLOR BACK TO BLACK
660 FOR I=2 TO 12
670 CALL COLOR(I,2,1)
680 NEXT I
690 PRINT "   PROGRAM STARTS HERE...": : : : : : : : : :
700 STOP
```

FOR SALE

TI Mod.1700 Stand Alone RS232 - $160.00 - Call MARK CHANCE 537-9295

HUNT THE WUMPUS Game Module - $5.00 - Call BILL KNECHT 473-5713

Deadline for submissions to this Newsletter- 2ND WEEKEND each month.

If you send something printed out, it will be included. If you call something in, it might be included. If you don't let us know, it won't be included.

PROGRAM

*** GUY ***

From MSP 99 NEWSLETTER - ST PAUL MINN

```
1 REM *GUY* TI BASIC *MSP U6
2 CALL CLEAR
3 CALL SCREEN(8)
4 REM * FACE TALKING
5 CALL CHAR(48,"FF990024003C2418")
6 REM * FACE SMILING
7 CALL CHAR(49,"FF990024002418")
8 REM * TORSO
9 CALL CHAR(56,"18183CFF3C3C3C3C")
10 REM * LEGS
11 CALL CHAR(57,"3C3C2424242424E7")
12 REM * RIGHT ARM
13 CALL CHAR(58,"04040407")
14 REM * LEFT ARM
15 CALL CHAR(59,"202020E")
16 REM * LEFT ARM WAVING
17 CALL CHAR(60,"0C1830E")
18 CALL COLOR(3,2,16)
19 REM * FACING FRONT
20 CALL HCHAR(10,16,49)
21 CALL HCHAR(11,16,56)
22 CALL HCHAR(12,16,57)
23 CALL HCHAR(11,15,58)
24 CALL HCHAR(11,17,59)
25 REM * WAVING LEFT HAND
26 FOR I=1 TO 10
27 CALL HCHAR(11,17,60)
28 CALL SOUND(25,40000,30)
29 CALL HCHAR(11,17,59)
30 CALL SOUND(25,40000,30)
31 NEXT I
32 REM * TALKING
33 MSG$="Hello, My Name Is GUY!"
34 FOR I=1 TO 22
35 CALL HCHAR(10,16,48)
36 CALL SOUND(25,40000,30)
37 CALL HCHAR(8,I+5,ASC(SEG$(MSG$,I,1)))
38 CALL HCHAR(10,16,49)
39 CALL SOUND(25,40000,30)
40 NEXT I
41 FOR T=1 TO 1500
42 NEXT T
43 CALL HCHAR(8,1,32,30)
44 GOTO 26
```

PROGRAMMING TIPS

PRINTER GRAPHICS

PROGRAM HINT FOR USING BIT GRAPHICS ON GEMINI OR EPSON PRINTER: by Tim Goddard

When using bit graphics on the printer using PRINT #1:CHR$(27);CHR$(75);CHR$(N1);CHR$(N2);CHR$(DATA);...
CHR$(DATA) turn off the carriage return when opening forthe printer. Otherwise two extra strikes will be printed every 80 strikes. These extra strikes can cause the print statement to crash.

Example: OPEN #1:"PIO.CR"

At the end of each line you want to include a CHR$(10) to cause a line feed and also execute a carraige return

UNPROTECT

If you have a program that was saved in the "protected" mode and you cannot list or write to it, try the following:

```
LOAD PROGRAM
LIST      (you will get a "protection violation")
CALL INIT                 <ENTER>
CALL LOAD(-31931,0)       <ENTER>
```

You can then list the program or save it without the protection.

MORE ON ACCURACY

This may come under the heading of oats for a dead horse, but here is more on the accuracy of the TI 99/4 as compared to the REAL microcomputers. On page 19 of the April 1984 SCIENTIFIC AMERICAN is an article on numbers with very large numbers of digits. Some computer results are shown for taking the number 1.0000001 and squaring it 27 times. Some pocket calculators give results with 0.001 to 0.02% error; the Apple II had a 96.63% error; the IBM PC gave an answer which was 1212.06% in error. How did the TI toy do? Run this and see.

```
100 N=1.0000001
110 FOR C=1 TO 27
120 M=N^2
130 N=M
140 NEXT C
150 PRINT "ANSWER=";N
160 PRINT ((674530.470741-N)/N)*100;" % ERROR"
170 END
```

EDITOR'S ROM

Many of you probably noticed that the April 1984 issue of "COMPUTE!" Magazine had ONLY one program for the TI-99/4A, in addition to C. Regena's column. I called the magazine to see if this was what we were to expect in future issues. They told me that they determine the number of programs to include for a particular computer by the number of ads they have for hardware and software for the computer. They said that they didn't have too many TI related advertisers in April. This is why there were not many programs.

You always hear that magazines say that the reason they do not have much on the TI is because people won't submit programs for it. I found out (in "COMPUTE!"'s case) the real reason. It is a shame that magazines such as this one will not consider it's readership when deciding what to include in their publication, but after-all, they are in business to make money and advertising pays their salaries.

Maybe we should let their advertising sales department know how many of us read "COMPUTE!" and suggest they try to sell more TI-99/4A related ads. They probably believe that no one is going to make third party hardware and software for the TI. Or they are just ignoring the fact. Whatever the case, I hope "COMPUTE!" realizes how many "TI subscribers" they have. -Bill

SPECIAL INTEREST GROUPS

Basic
Advanced Basic
Graphics
Assembly
Logo
Software

GRAPHICS S.I.G. Next meeting will be SATURDAY, MAY 19, 2:30 p.m. at Steohen Foster's house - 902 Turner Drive, Houston 77076 - 691-4542.

M & S COMPUTER SYSTEMS
MIKE & SHERRIE MATULA
15918 CAVENDISH DRIVE
HOUSTON, TEXAS 77059
713/486-0224

!!!SPRING SALE!!!

TI MODULE	SOFTWARE	RETAIL	WAS	SALE
PHM 3053	TI INVADERS	$24.95	$20.95	$18.95
PHM 3056	ALPINER	"	"	"
PHM 3057	MUNCHMAN	"	"	"
PHM 3112	PARSEC	"	"	"
PHM 3131	MOON MINE	"	"	"
PHM 3144	EARLY LOGO LEARNING FUN	39.95	33.95	31.95
PHM 3146	MUNCH MOBILE	29.95	26.95	24.95
PHM 3149	SPACE BANDITS	"	"	"
PHM 3150	SEWER MANIA	"	"	"
PHM 3151	BIG FOOT	"	"	"
PHM 3152	METEOR BELT	"	"	"
PHM 3153	SUPERFLY	"	"	"
PHM 3156	HONEY HUNT	"	"	"
PHM 3157	SOUND TRACK TROLLEY	"	"	"
PHM 3158	M*A*S*H	"	"	"
PHM 3168	TREASURE ISLAND	"	"	"
PHM 3169	WORD INVASION	"	"	"
PHM 3177	FACEMAKER	"	"	"
PHM 3178	STORY MACHINE	"	"	"
PHM 3185	WORD RADAR	"	"	"
PHM 3189	RETURN TO PIRATE'S ISLE	"	"	"
PHM 3194	JAWBREAKER II	"	"	"
PHM 3197	SLYMOIDS	"	"	"
PHM 3219	SUPER DEMON ATTACK	"	"	"
PHM 3220	MICROSURGEON	"	"	"
PHM 3225	STAR TREK	"	"	"
PHM 3229	HOPPER	"	21.95	21.00
PHM 3233	BURGER TIME	"	26.95	24.95
PHM 3226	BUCK ROGERS	"	NEW	26.95

THIRD PARTY SOFTWARE		RETAIL	SALE
ATARISOFT (MODULE)			
DONKEY KONG	NEW TITLES COMING SOON!	29.95	26.95
PAC MAN		"	"
PROTECTOR II		"	"
CENTIPEDE		"	"
DEFENDER		"	"
DIG DUG		"	"
PARKER BROTHERS (MODULE)			
Q-BERT		39.95	36.95
FROGGER		"	"
TIGERVISION (MODULE)			
MINER 2049'ER		29.95	28.95
ADVENTURE INTERNATIONAL (CASSETTE)			
AIRLINE(STRATEGY GAME, XBASIC REQ'D)		24.95	21.95
IMAGIC (MODULE)			
MOONSWEEPER		NEW	24.95
FATHOM		NEW	24.95

NEW PRODUCTS!!!

	RETAIL	SALE
PROBE (self-instructional programming package) by SCOTT, FORESMAN		
PRIMARY PACKAGE, GRADES 1-3 (cassette or disk version)	39.95	36.95
INTERMEDIATE PACKAGE, GRADES 4-6 (cassette or disk version)	"	"
GRAPHICS CODE GENERATOR (XBASIC REQ'D)		
CASSETTE	16.95	15.00
DISK	19.95	17.95
NAVARONE INDUSTRIES		
CARTRIDGE EXPANDER(WIDGET)		37.95
DISK FIXER(MODULE)	39.95	32.95
COMPUTER PROTECTION DEVICES (A MUST!!!!)		
LINE GUARD - SPIKE SUPPRESSOR(6 OUTLET RECEPTACLE)	19.95	17.95
DATA GUARD - SPIKE & NOISE SUPPRESSOR(6 OUTLET STRIP)	49.95	43.95
COMPUSERVE "STARTER KIT"	39.95	34.95
INCLUDES: 3-RING BINDER, COMPUSERVE USER'S GUIDE, TELEPHONE LIST & LOGON INSTRUCTIONS & 5 HOURS OF CONNECT TIME !!		

BOOKS - 10% OFF	WAS	SALE
FUNDAMENTALS OF TI-99/4A ASSEMBLY LANGUAGE - TAB	NEW	11.50
USING & PROGRAMMING THE TI-99/4A - HOLTZ	9.95	8.95
PROGRAMS FOR THE TI HOME COMPUTER - DAVIS	14.95	13.50
KIDS & THE 99/4A - DATAMOST	19.95	17.95
PROGRAMMER'S REFERENCE GUIDE - REGINA	14.95	13.50
HOW TO FEEL AT HOME WITH A HOME COMPUTER - TI	9.95	8.95
THE TI-99/4A IN BITS & BYTES	14.99	13.50
TI-99/4A GAME PROGRAMS - HOLTZ	11.50	10.35
INTRODUCTION TO ASSEMBLY LANGUAGE FOR THE TI HOME COMPUTER	16.95	15.25
THE ELEMENTARY TI-99/4A - DATAMOST	14.95	13.50
THE BEST OF THE 99'ER	19.95	17.95
COMPUTER PLAYGROUND FOR THE TI-99/4A - DATAMOST	9.95	8.95
COMPUMATH MAGIC - DATAMOST	7.95	7.15
THE OFFICIAL SCOTT ADAMS ADVENTURE BOOK	7.95	7.15
THE POWER OF MULTIPLAN	14.95	13.50
COMPUTE'S FIRST BOOK OF TI GAMES	12.95	11.65

CARTRIDGE EXPANDER

- Plug up to 3 Cartridges
- Reduces wear on Cartridge Connector inside the computer
- Prevents "Overheating" of Cartridges
- Built in "Reset" button
- Works on all TI 99/4A Computer series

$37.95

Computer Products available at every HUG Meeting for purchase, or shop by convenience of your phone.

We ship UPS & TEX PACK

MILTON BRADLEY "MBX" SYSTEM $115.00
WITH "CHAMPIONSHIP BASEBALL"
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WE NOW HANDLE "INFOCOM" SOFTWARE. CALL FOR PRICES & AVAILABILITY.

PRICES GOOD UNTIL 5/31/84

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